

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L2	6	piezoelectric and dumbell\$1	USPAT	2005/08/24 08:04	
2	BRS	L3	12	piezoelectric and "dumb bell"	USPAT	2005/08/24 08:07	
3	BRS	L4	1729	piezoelectric and aperture\$1 same (housing or casing)	USPAT	2005/08/24 10:06	
4	BRS	L5	540	piezoelectric and aperture\$1 same (housing or casing)	USOCR; EPO; JPO; DERWE NT; IBM_T DB	2005/08/24 10:13	
5	BRS	L6	757	piezoelectric and aperture\$1 same (housing or casing)	US- PGPUB	2005/08/24 10:13	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	0	"5306980".pn. and "5166908".pn.	USPAT	2005/08/24 12:53	
2	BRS	L2	2	"5306980".pn. or "5166908".pn.	USPAT	2005/08/24 12:53	
3	BRS	L3	2	12 and (prestress or bias or stress\$3)	USPAT	2005/08/24 12:55	
4	BRS	L4	2	12 and "45"	USPAT	2005/08/24 12:56	
5	BRS	L5	0	12 and elasticity	USPAT	2005/08/24 12:56	

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piezoelectric aperture

AND

AND

housing casing

OR

AND

OR

AND

Date of publication of application — e.g. 19980401 - 19980405

AND

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Query :
((housing <or> casing) <near> (apertu

Query: ((housing <or> casing) <near> (aperture <or> apertures <or> holes
<or> cutouts <or> openings)) <AND> ((piezoelectric <and> (housing <or>
casing))) <in> abstract)

32 documents out of 1642640 matched your query. Click on its
number to view the details of the document.

Note: All document detail pages now appear on a new Browser
Window.

1. [1327902](#) METHOD AND APPARATUS FOR SELF-ADJUSTING BORING BAR 94%
2. [2114594](#) DETACHABLE IGNITOR TIP FOR A BURNER ASSEMBLY 90%
3. [2297180](#) SOLID STATE FLUID DELIVERY SYSTEM 89%
4. [1275726](#) ELECTROACOUSTIC CALLING DEVICE 88%
5. [1123946](#) ULTRASONIC TRANSDUCER WITH REFERENCE REFLECTOR 88%
6. [2202509](#) TALKING TRADING CARDS 87%
7. [2145942](#) APPLICATOR HEAD FOR DOSED DISPENSATION OF FLUID MEDIUMS 87%
8. [2259311](#) DROPLET MIST GENERATOR 86%
9. [2384208](#) AN ELECTRICAL INTERCONNECT ASSEMBLY 85%

[Search Summary]**Results of searching in PCT (Full Text) for:**

piezoelectric and (housing or casing) near (aperture or apertures or holes or cutouts or "cut outs"): 2 records

Showing records 1 to 2 of 2 :

Refine Search	piezoelectric and (housing or casing) near (aperture or apertures or holes or cutouts or "cut outs")
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Title

1. (WO 01/87005) CYLINDRICAL TRANSDUCER APPARATUS
2. (WO 01/84186) ACOUSTIC EMITTERS FOR USE IN MARINE SEISMIC SURVEYING

Search Summary

piezoelectric NEAR aperture: 27 occurrences in 21 records.

housing NEAR aperture: 5724 occurrences in 2052 records.

casing NEAR aperture: 743 occurrences in 269 records.

(housing NEAR aperture OR casing NEAR aperture): 2296 records.

(piezoelectric NEAR aperture AND (housing NEAR aperture OR casing NEAR aperture)): 1 record.

piezoelectric NEAR apertures: 14 occurrences in 8 records.

housing NEAR apertures: 1578 occurrences in 825 records.

casing NEAR apertures: 180 occurrences in 109 records.

(housing NEAR apertures OR casing NEAR apertures): 929 records.

(piezoelectric NEAR apertures AND (housing NEAR apertures OR casing NEAR apertures)): 1 record.

((piezoelectric NEAR aperture AND (housing NEAR aperture OR casing NEAR aperture)) OR (piezoelectric NEAR apertures AND (housing NEAR apertures OR casing NEAR apertures))): 2 records.

piezoelectric NEAR holes: 29 occurrences in 21 records.

housing NEAR holes: 1854 occurrences in 1178 records.

casing NEAR holes: 339 occurrences in 221 records.

(housing NEAR holes OR casing NEAR holes): 1386 records.

(piezoelectric NEAR holes AND (housing NEAR holes OR casing NEAR holes)): 0 records.

((piezoelectric NEAR aperture AND (housing NEAR aperture OR casing NEAR aperture)) OR (piezoelectric NEAR apertures AND (housing NEAR apertures OR casing NEAR apertures))) OR (piezoelectric NEAR holes AND (housing NEAR holes OR casing NEAR holes)): 2 records.

piezoelectric NEAR cutouts: 0 occurrences in 0 records.

housing NEAR cutouts: 61 occurrences in 41 records.

casing NEAR cutouts: 1 occurrence in 1 record.

(housing NEAR cutouts OR casing NEAR cutouts): 42 records.

(piezoelectric NEAR cutouts AND (housing NEAR cutouts OR casing NEAR cutouts)): 0 records.

((piezoelectric NEAR aperture AND (housing NEAR aperture OR casing NEAR aperture)) OR (piezoelectric NEAR apertures AND (housing NEAR apertures OR casing NEAR apertures))) OR (piezoelectric NEAR holes AND (housing NEAR holes OR casing NEAR holes)): 2 records.